

GILA RIVER BASIN

09502960 GRANITE CREEK AT PRESCOTT, AZ

LOCATION--Lat 34° 33'07", long 112° 27'42", in NE_{1/4}SW_{1/4}NW_{1/4}, sec. 34, T.14 N., R.2 W., Yavapai County, Hydrologic Unit 15060202, at southwestern boundary of Yavapai-Prescott Indian Reservation, within the City of Prescott, AZ.

DRAINAGE AREA--30.0 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD--Nov. 1994 to current year.

REVISED RECORDS--WDR AZ-98-1: 1997.

GAGE--Water-stage recorder. Elevation of gage is 5,285 ft above sea level, from topographic map.

REMARKS--Records fair except for estimated daily discharges, which are poor. Flow is partly regulated by Goldwater Reservoirs on Bannon Creek.

EXTREMES FOR PERIOD OF RECORD--Maximum discharge, 3,200 ft³/s Mar. 6, 1995, gage height, 8.58 ft from slope-conveyance survey; maximum gage height, 8.91 ft, Aug. 26, 2000 (backwater from tributary). No flow for many days each year.

EXTREMES FOR CURRENT YEAR--Peak discharges greater than base discharge of 400 ft³/s (revised) and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
July 13.....	1645	*1,140	*8.25	Sept. 6	2030	1,050	8.43
July 23.....	1930	463	7.65	Sept. 10	2245	922	8.60

Minimum daily discharge, no flow for many days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.06	0.32	0.09	0.10	0.18	0.18	0.07	0.00	0.00	e0.01	0.00
2	0.00	0.07	0.39	0.06	0.09	0.18	0.18	0.09	0.00	0.00	e0.01	0.00
3	0.00	0.07	0.39	0.06	0.09	0.17	0.18	0.10	0.00	0.00	2.0	0.00
4	0.00	0.06	3.7	0.06	0.09	0.17	0.18	0.10	0.00	0.00	5.7	0.00
5	0.00	3.6	0.42	0.06	0.08	0.15	0.18	0.09	0.00	0.00	e0.03	0.00
6	0.79	0.05	0.14	0.06	0.08	0.13	3.3	0.08	0.00	0.00	e0.02	36
7	3.6	0.03	0.11	0.06	0.07	0.14	0.52	0.06	0.00	0.00	e0.01	53
8	14	0.03	0.11	0.06	0.07	0.12	0.18	0.05	0.00	0.00	e0.01	e4.7
9	0.22	0.03	0.11	0.08	0.06	0.11	0.16	0.04	0.00	0.00	0.00	3.2
10	0.03	0.03	0.15	0.09	0.06	0.10	0.10	0.04	0.00	0.00	0.00	49
11	0.02	0.03	0.11	0.09	0.06	0.11	0.09	0.03	0.00	0.00	0.00	14
12	0.02	0.03	0.11	0.09	0.07	0.12	0.09	0.03	0.00	0.00	0.00	0.64
13	0.02	0.03	0.11	0.09	0.08	0.12	0.08	0.03	0.00	42	0.00	0.16
14	0.02	0.03	0.11	0.09	0.09	0.10	0.07	0.03	0.00	0.04	0.00	0.08
15	0.03	0.03	0.49	0.09	0.06	0.09	0.09	0.03	0.00	0.02	0.00	0.06
16	0.02	0.03	0.20	0.09	0.06	0.09	0.10	0.03	0.00	0.90	0.00	0.05
17	0.02	0.03	0.14	0.10	0.07	0.09	0.11	0.02	0.00	0.02	0.00	0.04
18	0.02	0.03	0.11	0.09	0.06	0.14	0.11	0.02	0.00	0.05	0.00	0.04
19	0.02	0.04	0.11	0.10	0.07	0.14	0.11	0.01	0.00	0.02	0.00	0.04
20	0.02	0.04	0.11	0.10	0.08	0.15	0.12	0.01	0.00	0.02	0.00	0.03
21	0.02	0.04	0.11	0.09	0.06	0.15	0.11	0.02	0.00	0.02	0.00	0.03
22	0.03	0.04	0.11	0.11	0.10	0.17	0.09	0.03	0.00	0.02	0.00	0.03
23	0.02	0.05	0.11	0.10	0.12	0.17	0.09	0.03	0.00	20	0.00	0.03
24	0.03	0.06	0.11	0.09	0.12	0.18	0.10	0.02	0.00	0.02	0.00	0.03
25	0.03	0.31	0.11	0.09	0.13	0.18	0.11	0.02	0.00	e0.02	0.00	0.03
26	0.03	0.30	0.11	0.09	0.17	0.19	0.18	0.01	0.00	e0.02	0.00	0.03
27	0.03	0.30	0.11	0.10	0.18	0.18	0.11	0.01	0.00	e0.02	0.00	0.02
28	0.03	0.31	0.11	0.14	0.19	0.22	0.11	0.00	0.00	e0.02	0.00	0.02
29	0.04	0.35	1.5	0.13	---	1.7	0.10	0.00	0.00	e0.02	0.00	0.01
30	0.04	0.34	0.18	0.10	---	0.18	0.07	0.00	0.00	e0.01	0.00	e0.01
31	0.04	---	0.11	0.09	---	0.17	0.00	---	e0.01	0.00	---	
TOTAL	19.19	6.45	10.11	2.76	2.59	6.09	7.20	1.10	0.00	63.25	7.79	161.28
MEAN	0.619	0.215	0.326	0.089	0.092	0.196	0.240	0.035	0.000	2.040	0.251	5.376
MAX	14	3.6	3.7	0.14	0.19	1.7	3.3	0.10	0.00	42	5.7	53
MIN	0.00	0.03	0.11	0.06	0.06	0.09	0.07	0.00	0.00	0.00	0.00	0.00
MED	0.02	0.04	0.11	0.09	0.08	0.15	0.11	0.03	0.00	0.02	0.00	0.03
AC-FT	38	13	20	5.5	5.1	12	14	2.2	0.00	125	15	320
CFSM	0.02	0.01	0.01	0.00	0.00	0.01	0.01	0.00	0.00	0.07	0.01	0.18

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2002, BY WATER YEAR (WY)

(WY)	2001	1998	1995	1998	1999	1999	1999	2000	2001	2002	1997	2002
MEAN	2.224	0.846	0.733	6.208	15.26	17.77	5.599	0.812	0.268	4.903	5.233	5.787
MAX	13.1	3.14	2.39	27.5	85.5	74.1	31.6	3.92	1.15	24.4	18.4	14.0
MIN	0.085	0.14	0.20	0.089	0.093	0.20	0.24	0.027	0.000	0.000	0.25	0.25
(WY)	1997	1996	2000	2002	2002	2002	2002	1996	2002	1997	2002	2001

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1995 - 2002

ANNUAL TOTAL	1095.18	287.81	3.845
ANNUAL MEAN	3.000	0.789	
HIGHEST ANNUAL MEAN			10.1
LOWEST ANNUAL MEAN			0.79
HIGHEST DAILY MEAN	129	Mar 10	1998
LOWEST DAILY MEAN	0.00	Jun 17	2002
ANNUAL SEVEN-DAY MINIMUM	0.00	Jun 25	Jul 11 1995
ANNUAL RUNOFF (AC-FT)	2170		Jul 22 1995
ANNUAL RUNOFF (CFSM)	0.10	0.026	2790
10 PERCENT EXCEEDS	7.8	0.19	0.13
50 PERCENT EXCEEDS	0.11	0.06	7.7
90 PERCENT EXCEEDS	0.00	0.00	0.20
			0.00

e Estimated